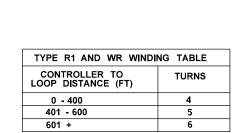
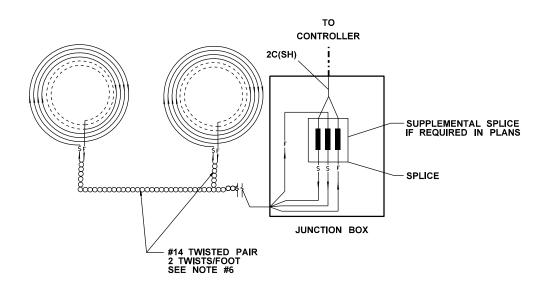
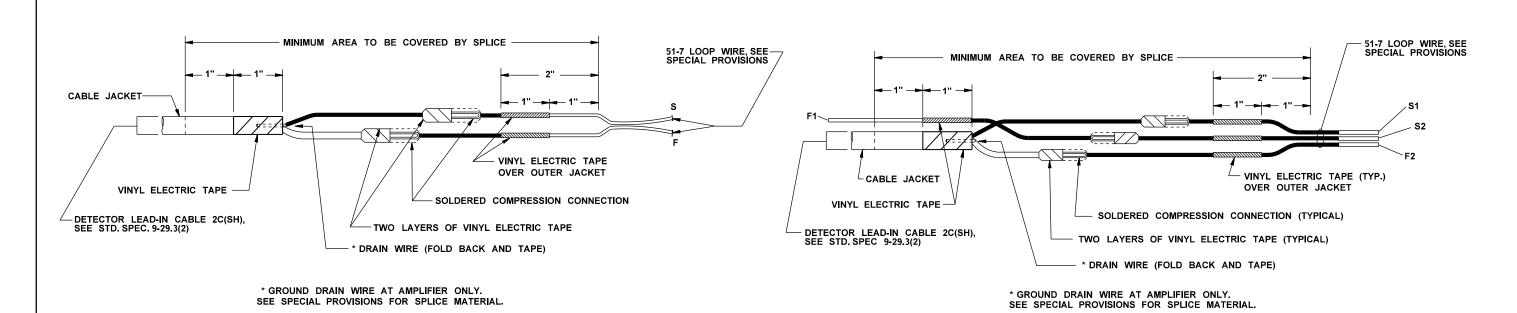


TYPE R1 AND TYPE WR INDUCTION LOOPS LOOP WINDING DETAILS





TYPE R2 AND MODIFIED TYPE WR INDUCTION LOOPS LOOP WINDING DETAIL



TYPE R1 AND TYPE WR INDUCTION LOOPS SPLICE DETAILS

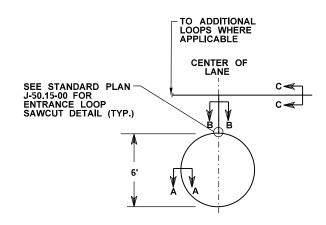
TYPE R2 AND MODIFIED TYPE WR INDUCTION LOOPS SPLICE DETAIL

NOTE: SPLICE KITS SHALL BE CENTERED ON CONDUCTORS AND SUFFICIENT SLACK SHALL BE PROVIDED THAT THE SPLICE CAN BE RAISED A MINIMUM OF 18" ABOVE GROUND LINE.

NOT TO SCALE

LOOP DETAILS 2 OF 3

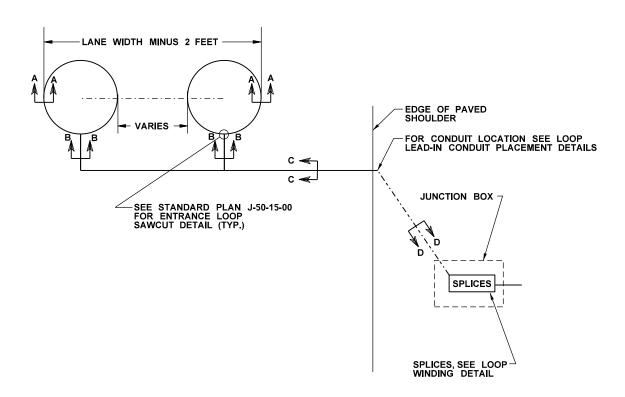
| FILE NAME | c:\users\lslmanek\pw_wsdot\d | 0555249\XL6272_PS_ITS.dgn | | | | | | | | Plot 25 |
|---------------|------------------------------|---------------------------|------|--------------|------------------|----------------|----------------|------------------------------|----------------------------------|---------------|
| TIME | 11:38:16 AM | | | REGION STATE | FED.AID PROJ.NO. | | | | I-5 | PLAN REF NO |
| DATE | 2/13/2023 | | | 10 WASH | 1 | | | | | ITD2 |
| PLOTTED BY | Isimanek | | | T 10 WASI | 1 | | | | YESLER WAY TO NE 117TH ST | "" |
| DESIGNED BY | G. YIP | | | JOB NUMBER | 1 | | | Washington State | PAVEMENT, DECK & EXPANSION JOINT | SHEET |
| ENTERED BY | G. YIP | | | | | | | , • | | 110 |
| CHECKED BY | C. WOO | | | CONTRACT NO. | LOCATION NO. | | | Department of Transportation | | OF 400 |
| PROJ. ENGR. | K. NIDLE | | | | | DATE | DATE | - | ITS DETAILS | 122 SHEETS |
| REGIONAL ADM. | B. NIELSEN | REVISION | DATE | BY | | P.E. STAMP BOX | P.E. STAMP BOX | | | SILETS |



TYPE R1 INDUCTION LOOP

LOOP INSTALLATION NOTES

- 1. SEE STANDARD PLAN J-50 FOR ADDITIONAL LOOP DETAILS AND NOTES.
- COMPLETE INSTALLATION AND TEST LOOP CIRCUITS OR COMBINATION LOOP CIRCUITS. SEE STANDARD SPECIFICATION 8-20.3(14)D.
- 3. SEE SPECIAL PROVISIONS FOR SEALANT TO ENCAPSULATE CONDUCTORS.
- 4. SEE SPECIAL PROVISIONS FOR 51-7 LOOP WIRE #14 AWG.
- SPLICE LOOP LEADS OR SUPPLEMENTAL SPLICE LEADS TO NEW OR EXISTING SHIELDED CABLE.
- 6. SEAL ENDS OF CONDUIT WITH ELECTRICAL FOAM.
- 7. IMSA WIRE END SHALL BE SEALED PRIOR TO USE OF RUBBER TAPE OR DUCT SEAL.
- 8. CABLE IDENTIFICATION SLEEVES SHALL BE VERIFIED BEFORE SPLICES ARE MADE.
- 9. THE NUMBER OF LOOP TURNS FOR R1 AND WR LOOPS VARY DEPENDING ON THE DISTANCE BETWEEN THE LOOPS AND THE CONTROLLER. NUMBER OF TURNS SHALL BE AS SHOWN IN THE WINDING TABLES IN THE ITS DETAIL.
- 10. LOOPS SHALL BE INSTALLED PRIOR THE FINAL LIFT OF HMA (ASPHALT).
- 11. IN THE NEW PAVEMENT AND PAVEMENT WITH HMA OVERLAY, LOOP "ID LOCATOR" SHALL BE INSTALLED ON THE TOP OF EACH STUB-OUT CONDUIT.
- 12. CENTER INDUCTION LOOP VEHICLE DETECTOR BETWEEN LANE LINES.
- 13. JUNCTION BOXES SHALL BE SIZED AS SHOWN IN THE ITS PLAN SHEETS.

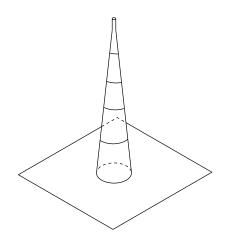


MODIFIED TYPE WR INDUCTION LOOP

ITS STUB-OUT CONDUIT SIZE WITH 51-7 LOOP WIRE

| LOOP LEAD PAIRS | 1-6 | 7-12 |
|---------------------|-----|------|
| CONDUIT SIZE (MIN.) | 2 | 2-2 |

TABLE A



RUBBER LOOP ID LOCATOR

3.5" SQUARE X 4" TALL

GRAY COLOR

NOT TO SCALE

LOOP DETAILS 3 OF 3

| FILE NAME | c:\users\isimanek\pw_wsdot\d | d0555249\XL6272_PS_ITS.dgn | | | | | | | | Plot 26 | |
|---------------|------------------------------|----------------------------|------|----|--------------|------------------|----------------|----------------|------------------------------|----------------------------------|---------------|
| TIME | 11:38:25 AM | | | | REGION STATE | FED.AID PROJ.NO. | | | | I-5 | PLAN REF NO |
| DATE | 2/13/2023 | | | | 10 WASH | | | | | | ITD3 |
| PLOTTED BY | Isimanek | | | | IU WASI | | | | | YESLER WAY TO NE 117TH ST | |
| DESIGNED BY | G. YIP | | | | JOB NUMBER | | | | Washington State | PAVEMENT, DECK & EXPANSION JOINT | SHEET |
| ENTERED BY | G. YIP | | | | | | | | 9 | | SHEET 111 |
| CHECKED BY | c. woo | | | | CONTRACT NO. | LOCATION NO. | | | Department of Transportation | | OF 400 |
| PROJ. ENGR. | K. NIDLE | | | | | | DATE | DATE | | ITS DETAILS | 122 SHEETS |
| REGIONAL ADM. | B. NIELSEN | REVISION | DATE | BY | | | P.E. STAMP BOX | P.E. STAMP BOX | | 1.0 52.7.120 | SILLIS |